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TITLE: Color video still image
processing system

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INVENTOR-INFORMATION:

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ABSTRACT:

The present invention is directed to a method of processing a color video signal in which printing color separation data is formed from a color video signal and a printing original plate is made by using the printing color

separation data. This color video signal processing method is comprised of the steps of reading out a reference color test chart by a printing scanner and producing scanner four color separation data of the reference color test chart by the printing scanner, taking a picture of the reference color test chart radiated by a standard light source by a video camera, producing camera four color separation data from a color video signal output from the video camera, comparing the scanner four color separation data with the camera four color separation data and allowing a level difference therebetween to be stored in a memory as correcting data which is used to correct the camera four color separation data, and correcting the four color separation data by the correcting data stored in the memory to thereby produce four color separation data when the four color separation data for making the printing original plate are generated from a color video signal of the video camera. Therefore, a printing original plate having satisfactory color reproducibility can be produced by utilizing the video camera.

7 Claims, 3 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 2

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Abstract Text - ABTX (1):

The present invention is directed to a method of processing a color video signal in which printing color separation data is formed from a color video signal and a printing original plate is made by using the printing color separation data. This color video signal processing method is comprised of the steps of reading out a reference color test chart by a printing scanner and producing scanner four color separation data of the reference color test chart by the printing scanner, taking a picture of the reference color test chart radiated by a standard light source by a video camera, producing camera four color separation data from a color video signal output from the video camera, comparing the scanner four color separation data with the camera four color separation data and allowing a level difference therebetween to be stored in a memory as correcting data which is used to correct the camera four color separation data, and correcting the four color separation data by the correcting data stored in the memory to thereby produce four color separation data when the four color separation data for making the printing original plate are generated from a color video signal of the video camera. Therefore, a printing original plate having satisfactory color reproducibility can be produced by utilizing the video camera.

Brief Summary Text - BSTX (13):

As a first aspect of the present invention, a method of processing a color video signal in which printing color separation data is formed from a color video signal and a printing original plate is made by using the printing color separation data is comprised of the steps of reading out a reference color test chart by a printing scanner and producing scanner four color separation data of the reference color test chart by the printing scanner, taking a picture of the reference color test chart radiated by a standard light source by a video camera, producing camera four color separation data from a color video signal output from the video camera, comparing the scanner four color separation data with the camera four color separation data and allowing a level difference therebetween to be stored in a memory as correcting data which is used to correct the camera four color separation data, and correcting the four color separation data by the correcting data stored in the memory to thereby produce four color separation data when the four color separation data for making the printing original plate are generated from a color video signal of the video camera. Therefore, a printing original plate having satisfactory color reproduction property can be produced by utilizing the video camera.

Brief Summary Text - BSTX (14):

In accordance with a second aspect of the

present invention, a system for processing a color video signal in which printing color separation data is formed from a color video signal and a printing original plate is made by using the printing color separation data is comprised of a printing scanner for reading out a reference color test chart and outputting four color separation data which are used to make a printing original plate, a video camera for taking a picture of the reference color test chart radiated by a standard light source to thereby output a color video signal, a four color separation data generating circuit for generating four color separation data from the color video signal output from the video camera, a comparing circuit for comparing the four color separation data from the printing scanner with the four color separation data generated from the color video signal, and a correcting data generating circuit for generating correcting data on the basis of a difference information obtained from the comparing circuit, wherein the color video signal from the color video camera is corrected by using the correcting data to thereby produce four-color color separation data when the four color separation data for making the printing original plate are generated from a color video signal of the video camera.